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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: David P. Prince
Serial No.: 10/734,395
Confirmation No.: 9763
Filed: December 12, 2003
For: SYSTEMS AND METHODS FOR DETECTING DEFECTS IN PRINTED
SOLDER PASTE
Examiner: Not Yet Assigned
Art Unit: 2623

CERTIFICATE OF MAILING UNDER 37 CFR §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP MISSING PARTS, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 18th day of May, 2004.

Keith F. Noe, Esq. (Reg. No. 34,686)

MAIL STOP MISSING PARTS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST TO CHANGE ATTORNEY DOCKET NUMBER

Sir:

Please change the attorney's docket number on the above-identified patent application as recorded in the U.S. Patent and Trademark Office Records.

FROM: 17555-114

TO: M2010-7114

The Commissioner is hereby authorized to charge any deficiencies or overpayments to Deposit Account No. 50/2762, Ref. No. M2010-7114.

Respectfully submitted,

By:

Keith F. Noe, Esq. (Reg. No. 34,686)
LOWRIE, LANDO & ANASTASI, LLP
Riverfront Office Park
One Main Street
Cambridge, MA 02142
Tel.: (617) 395-7039
Fax: (617) 395-7070
Attorney for Applicant

Dated: May 18, 2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**REVOCATION OF PRIOR POWERS OF ATTORNEY
and
NEW POWERS OF ATTORNEY**

The undersigned, SPEEDLINE TECHNOLOGIES, INC., assignee of the entire right, title and interest for all of the patents and patent applications identified in the attached Schedule A, hereby revokes all previous powers of attorney or authorizations of agent given in the identified patents and patent applications and in any divisional, continuing, substitute, renewal or reissue applications thereof, and appoints all practitioners of Lowrie, Lando & Anastasi, LLP associated with Customer Number:

37462

as assignee's attorneys or agents with full power of substitution to take any and all action necessary with regard to the identified patents and patent applications, and with regard to any divisional, continuing, substitute, renewal or reissue applications thereof.

Please address all telephone calls to Keith F. Noe at telephone no. (617) 395-7039.

Please forward all correspondence to the correspondence address associated with Customer Number:

37462

SPEEDLINE TECHNOLOGIES, INC.

Dated: 2/1/04

By: John C. Ufford

Name: John C. Ufford

Title: Vice President of Product Management and
Engineering

ASSIGNEE CERTIFICATION

Attached to this power is a Certificate Under 37 CFR 3.73(b).

Dated: 18 May 2004

Keith F. Noe

Keith F. Noe, Esq. (Reg. No. 34,686)
LOWRIE, LANDO & ANASTASI, LLP
Riverfront Office Park
One Main Street
Cambridge, MA 02142
Tel.: (617) 395-7039
Fax: (617) 395-7070

SCHEDULE A

**SPEEDLINE TECHNOLOGIES, INC.
PENDING U.S. PATENT APPLICATIONS**

| Attorney Docket No. | Serial No. | Filing Date | Title |
|--------------------------------|-------------------|--------------------|--|
| 17549-105 | 09/974,022 | 10/10/2001 | NEEDLE CLEANING SYSTEM |
| 17549-109 | 09/928,112 | 08/10/2001 | METHOD AND APPARATUS FOR CONTROLLING A DISPENSING SYSTEM |
| 17549-110 | 09/844,491 | 04/27/2001 | HEATER IN A CONVEYOR SYSTEM |
| 17549-119 | 10/076,037 | 02/14/2002 | LIQUID DISPENSING SYSTEM WITH IMPROVED SEALING AUGERING SCREW AND METHOD FOR DISPENSING |
| 17549-123 | 10/156,715 | 05/28/2002 | DISPENSING SYSTEM AND METHOD |
| 17549-124 | 10/196,571 | 07/16/2002 | DISPENSING SYSTEM AND METHOD |
| 17549-127 | 10/428,250 | 05/02/2003 | ADJUSTABLE NEEDLE FOOT FOR DISPENSING SYSTEM |
| 17549-131 | 10/233,746 | 09/03/2002 | CONVEYORIZED VACUUM INJECTION SYSTEM |
| 17549-138 | 10/661,830 | 09/12/2003 | DISPENSING SYSTEM WITH MULTIPLE PARTIALLY INDEPENDENT HEADS |
| 17549-139 | 10/688,756 | 10/17/2003 | DISPENSING SYSTEM AND METHOD |
| 17549-140 | 10/703,201 | 11/06/2003 | CONVEYORIZED VACUUM INJECTION SYSTEM |
| 17549-141 | 10/740,709 | 12/18/2003 | SYSTEM AND METHOD FOR CONTROLLING A CONVEYOR SYSTEM CONFIGURATION TO ACCOMMODATE DIFFERENT SIZE SUBSTRATES |
| 17549-142 | 10/766,285 | 01/27/2004 | DISPENSING SYSTEM AND METHOD |
| 17555-070 | 09/304,699 | 05/04/1999 | METHOD AND APPARATUS FOR INSPECTING SOLDER PASTE DEPOSITS ON SUBSTRATES |
| 17555-099 | 09/706,966 | 11/06/2000 | SOLDER PRINTERS |
| 17555-111 | 10/175,131 | 06/19/2002 | METHOD AND APPARATUS FOR SUPPORTING A SUBSTRATE |
| 17555-113 | 10/236,108 | 09/06/2002 | METHOD AND APPARATUS FOR RELEASING MATERIALS FROM STENCILS |
| 17555-114 | 10/734,395 | 12/12/2003 | SYSTEMS AND METHODS FOR DETECTING DEFECTS IN PRINTED SOLDER PASTE |
| 17555-116 | 10/402,418 | 03/28/2003 | PRESSURE CONTROL SYSTEM FOR PRINTING A VISCOUS MATERIAL |
| 17555-123 | 10/448,761 | 05/30/2003 | STENCIL CLEANER FOR USE IN THE SOLDER PASTE PRINT OPERATION |
| 17555-125 | 10/346,803 | 01/17/2003 | ELECTRONIC SUBSTRATE PRINTING |

SCHEDULE A (continued)

**SPEEDLINE TECHNOLOGIES, INC.
PENDING U.S. PATENT APPLICATIONS**

| | | | |
|-----------|------------|------------|---|
| 17555-127 | 10/394,814 | 03/21/2003 | METHOD AND APPARATUS FOR SUPPORTING A SUBSTRATE |
| 17644-182 | 10/247,402 | 09/19/2002 | REFLOW SOLDERING APPARATUS AND METHOD FOR SELECTIVE INFRARED HEATING |
| 17644-186 | 10/051,408 | 01/18/2002 | FLUX COLLECTION METHOD AND SYSTEM |
| 17644-188 | 10/051,213 | 01/18/2002 | COMPACT CONVECTION DRYING CHAMBER FOR DRYING PRINTED CIRCUIT BOARDS AND OTHER ELECTRONIC ASSEMBLIES BY ENHANCED EVAPORATION |
| 17644-190 | 10/125,100 | 04/17/2002 | FILTRATION OF FLUX CONTAMINANTS |
| 17644-192 | 10/190,900 | 07/08/2002 | CLOSED LOOP SOLDER WAVE HEIGHT CONTROL SYSTEM |
| 17644-193 | 10/436,369 | 05/12/2003 | DROSS REMOVAL AND SOLDIER RECLAMATION IMPROVEMENTS |
| 17644-194 | 10/260,944 | 09/30/2002 | SELECTIVE GAS KNIFE FOR WAVE SOLDERING |
| 17644-195 | 10/260,980 | 09/30/2002 | SELECTIVE WAVE SOLDER SYSTEM |
| 17644-197 | 10/445,787 | 05/27/2003 | DROSS REMOVAL AND SOLDER RECLAMATION IMPROVEMENTS |
| 17644-198 | 10/747,801 | 12/29/2003 | FLUX COLLECTION METHOD AND SYSTEM |
| 17847-062 | 10/452,825 | 06/02/2003 | HIGH SPEED ELECTRONIC ASSEMBLY SYSTEM AND METHOD |

CERTIFICATE UNDER 37 CFR 3.73(b)

Applicant: David P. Prince

Application No.: 10/734,395

Filed: December 12, 2003

Confirmation No.: 9763

Entitled: SYSTEMS AND METHODS FOR DETECTING DEFECTS IN PRINTED
SOLDER PASTE

Speedline Technologies, Inc. a Delaware corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university,
government agency, etc.)

certifies that it is the assignee of the entire right, in the patent application identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel __, Frame __, or for which a copy thereof is attached

OR

B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the Patent and Trademark Office at

Reel _____ Frame __, _____ or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the Patent and Trademark Office at

Reel _____ Frame __, _____ or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the Patent and Trademark Office at

Reel _____ Frame __, _____ or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned is authorized to act on behalf of the assignee.

18 May 2004
Date

Keith F. Noe
Signature

Keith F. Noe, 34,686

Typed or Printed Name, Reg. No.

RECORDATION FORM COVER SHEET PATENTS ONLY

FORM PTO-1595 U.S.
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)

DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Commissioner for Patents : Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

David P. Prince (executed 05/11/04)

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

2. Name and address of receiving party(ies)

Name: Speedline Technologies, Inc.

Internal Address:

COPY

Street Address: 16 Forge Park
Franklin, MA 02038

Additional name(s) & addresses(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application:

A. Patent Application No.(s)
10/734,395

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence
Concerning document should be mailed:

Name: Keith F. Noe, Esq.
Address: Lowrie, Lando & Anastasi, LLP
Riverfront Office Park
One Main Street
Cambridge, MA 02142

6. Total number of applications and patents involved: **[1]**

7. Total fee (37 CFR 3.41) **\$ 40.00**

☐ Enclosed

☒ Authorized to be charged to deposit account

The Commissioner is authorized to charge any
deficiencies or overpayments to:

8. Deposit Account No: 50/2762;
Ref. No. M2010-7114.

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9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Keith F. Noe

Keith F. Noe

May 18, 2004

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: **[2]**

Mail documents to be recorded with required cover sheet information to (modify as appropriate):

**Mail Stop Assignment Recordation Services
Director of the U.S. Patent and Trademark Office
PO Box 1450, Alexandria, VA 22313-1450**

ASSIGNMENT

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For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, I, the undersigned **David P. Prince of Wakefield, RI**, hereby:

Sell, assign and transfer to **Speedline Technologies, Inc.**, a Delaware corporation having a place of business at **16 Forge Park, Franklin, MA 02038**, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on **December 12, 2003** under Application Serial No. **10/734,395** and entitled **SYSTEMS AND METHODS FOR DETECTING DEFECTS IN PRINTED SOLDER PASTE**, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority;

Agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, we agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to us relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;

Request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee; and

Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

11 MAY 2004
Date

David P. Prince
David P. Prince

STATE OF Mass :
COUNTY OF Worcester :

Subscribed and sworn to before me this 11th day of May, 2004.

SEAL

741914.1



Anapaula Sherwin
Notary Public
My Commission Expires April 9, 2010